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NOTICE OF ALLOWANCE AND FEE(S) DUE

2292 7590 06/29/2009 BIRCH STEWART KOLASCH & BIRCH PO BOX 747 FALLS CHURCH, VA 22040-0747

| EXAMINER | | | | | | |
|------------------|--------------|--|--|--|--|--|
| RAINEY, ROBERT R | | | | | | |
| ART UNIT | PAPER NUMBER | | | | | |
| 2629 | • | | | | | |

DATE MAILED: 06/29/2009

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/586,313 | 01/04/2007 | Masahiko Akutsu | 1248-0875PUS1 | 2798 |

TITLE OF INVENTION: LIQUID CRYSTAL DISPLAY DEVICE, SIGNAL PROCESSING UNIT FOR USE IN LIQUID CRYSTAL DISPLAY DEVICE, PROGRAM AND STORAGE MEDIUM THEREOF, AND LIQUID CRYSTAL DISPLAY CONTROL METHOD

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | NO | \$1510 | \$300 | \$0 | \$1810 | 09/29/2009 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION NO THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and I/2 the ISSUE FIEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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| INSTRUCTIONS: This appropriate. All further indicated unless correcte maintenance fee notificat | form should be used I correspondence includir d below or directed oth ions. | or transmitting ng the Patent, ac nerwise in Block | the ISSI Ivance o : 1, by (| JE FEE and PUBLICATI rders and notification of r a) specifying a new corres | ON FEE (if requirements of the contract of the | red). E ill be and/or | Blocks 1 through 5 s mailed to the current (b) indicating a sepa | hould be correspo rate "FE | completed where ndence address as E ADDRESS" for |
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| PO BOX 747 | 7590 06/29 ART KOLASCH H, VA 22040-0747 | & BIRCH | | Lbe | Cert | ificate | of Mailing or Trans s) Transmittal is being ficient postage for fire ISSUE FEE address 1) 273-2885, on the d | denovite | ed with the United nail in an envelope or being facsimile ated below. |
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| APPLICATION NO. | FILING DATE | | | FIRST NAMED INVENTOR | | ATTO | RNEY DOCKET NO. | CONFI | RMATION NO. |
| 10/586,313 | 01/04/2007 | | | Masahiko Akutsu | | 13 | 248-0875PUS1 | | 2798 |
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| EXAM | INER | ART UNI | T | CLASS-SUBCLASS | | | | | |
| RAINEY, R | | 2629 | | 345-087000 | | | | | |
| "Fee Address" indi PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A | ondence address (or Cha 1/122) attached. cation (or "Fee Address 2 or more recent) attach ND RESIDENCE DATA | nge of Corresponding Office of Corresponding of Corresponding Office Office of Corresponding of Corresponding Office | ndence stomer ED ON | For printing on the p (1) the names of up to or agents OR, alternative (2) the name of a single registered attorney or a 2 registered patent attolisted, no name will be THE PATENT (print or type) | 3 registered patent yely, e firm (having as a gent) and the name meys or agents. If r printed. | memb es of u | er a 2 p to ie is 3 | | |
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| | SMALL ENTITY state | is. See 37 CFR 1 | | ☐ b. Applicant is no lon | | | | | |
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| This collection of inform an application. Confident submitting the completed this form and/or suggesti Box 1450, Alexandria, V Alexandria, Virginia 223 | ation is required by 37 C iality is governed by 35 application form to the ons for reducing this but irginia 22313-1450. DC 13-1450. | FR 1.311. The i U.S.C. 122 and USPTO. Time rden, should be O NOT SEND FI | nformati 37 CFR will vary sent to th EES OR | on is required to obtain or r 1.14. This collection is est r depending upon the indiv e Chief Information Office COMPLETED FORMS TO | etain a benefit by the imated to take 12 n idual case. Any con r, U.S. Patent and D THIS ADDRESS. | ne publ ninutes mment Fraden . SENI | lic which is to file (and to complete, including s on the amount of the lark Office, U.S. Dep D TO: Commissioner | I by the Use gathering you re artment of the partment of the p | JSPTO to process) ng, preparing, and equire to complete of Commerce, P.O. ts, P.O. Box 1450, |

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| 2292 | 7590 06/29/2009 EXAMINER | | | | | |
| BIRCH STEW | BIRCH STEWART KOLASCH & BIRCH | | | ROBERT R | | |
| PO BOX 747 | | ART UNIT PAPER NUMBI | | | | |
| FALLS CHURCH, VA 22040-0747 | | | 2629 | | | |

DATE MAILED: 06/29/2009

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 17 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 17 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Application No. Applicant(s) 10/586,313 AKUTSU ET AL. Notice of Allowability Examiner Art Unit ROBERT R RAINEY 2629 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to papers filed 6/02/2009. 2. The allowed claim(s) is/are 11-13, 15-22, 24, 33, 34, and 38, now renumbered 1-16. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) 🔯 All b) ☐ Some* c) ☐ None of the: 1. A Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. | Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application 2. Notice of Draftperson's Patent Drawing Review (PTO-948) Interview Summary (PTO-413), Paper No./Mail Date Information Disclosure Statements (PTO/SB/08). 7. Examiner's Amendment/Comment

U.S. Patent and Trademark Office PTOL-37 (Rev. 08-06)

Examiner, Art Unit 2629

/R. R. R./

Paper No./Mail Date

of Biological Material

4. T Examiner's Comment Regarding Requirement for Deposit

8. X Examiner's Statement of Reasons for Allowance

9. Other Rejoinder of withdrawn claims.

Supervisory Patent Examiner, Art Unit 2629

/Amare Mengistu/

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Allowance

Response to Arguments

 Applicant's arguments filed 6/2/2009, have been fully considered and are persuasive.

The incorporation of all the limitations of previous claim 14, which depended from previous claim 11 and which was indicated as allowable subject matter in the previous office action, into independent claim 11 effectively overcomes the rejection of claim 11 presented in the previous office action.

As applicant notes, the § 112, first paragraph, rejections of claims 34, 37, and 38 in the previous office action were improper because separation of items from a Markush group into separate claims is not grounds for such a rejection.

The § 112, first paragraph, rejections of claims 34, 37, and 38 are withdrawn.

The cancellation of all claims not depending from claim 11 renders the rejections of those claims moot.

Non-elected claims 12, 12, 15, 16, 18-22 and 33 now depend from an allowable claim and are rejoined.

Response to Amendment

 Applicant's amendments filed 6/2/2009, after a final office action, place the application in condition for allowance and are entered. Application/Control Number: 10/586,313 Page 3

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Election/Restrictions

3. Claims 11-13, 15-22, 24, 33, 34, and 38 allowable. The restriction requirement among species 1, 2, 4, 5, A, B, and C, as set forth in the Office action mailed on 5/16/2008, has been reconsidered in view of the allowability of claims to the elected invention pursuant to MPEP § 821.04(a). The restriction requirement is hereby withdrawn as to any claim that requires all the limitations of an allowable claim. Claims 12, 13, 15, 16, 18-22, and 33, directed to species 1, 2, 4, 5, A, B, or C no longer withdrawn from consideration because the claim(s) requires all the limitations of an allowable claim.

In view of the above noted withdrawal of the restriction requirement, applicant is advised that if any claim presented in a continuation or divisional application is anticipated by, or includes all the limitations of, a claim that is allowable in the present application, such claim may be subject to provisional statutory and/or nonstatutory double patenting rejections over the claims of the instant application.

Once a restriction requirement is withdrawn, the provisions of 35 U.S.C. 121 are no longer applicable. See *In re Ziegler*, 443 F.2d 1211, 1215, 170 USPQ 129, 131-32 (CCPA 1971). See also MPEP § 804.01.

Allowable Subject Matter

4. Claims 11-13, 15-22, 24, 33, 34, and 38, now renumbered 1-16, allowed.

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5. The following is a statement of reasons for the indication of allowable subject matter: The amendments filed place the application in condition for allowance as described in the sections above.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ROBERT R. RAINEY whose telephone number is (571)270-3313. The examiner can normally be reached on Monday through Friday 8:30 AM to 5:00 PM

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Amare Mengistu can be reached on (571) 272-7674. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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/RR/

/Amare Mengistu/

Supervisory Patent Examiner, Art Unit 2629